

### **ABSTRACT OF THE DISCLOSURE**

Polypeptides which increase or promote mammalian bone growth, related nucleotide sequences, antibodies, diagnostic kits and treatments. Subsequences of the polypeptide Asp Ser Asp Leu Tyr Ala Glu Leu Arg Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His Pro Lys Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys Asn Gln Val Glu Val Ile Ala Thr Leu Lys Asp Gly Arg Lys Ile Cys Leu Asp Pro Asp Ala Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu Ala Gly Asp Glu Ser Ala Asp have been shown to promote growth. Subsequences include Asp Ser Asp Leu Tyr Ala Glu Leu Arg Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His Pro Lys Asn Ile Gln Ser; Ile Lys Thr Thr Ser Gly Ile His Pro Lys Asn Ile Glu Ser; Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His Pro Lys Asn Ile Gln and TTSGIHPK.